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**B.F.T.M. (Part-I) (Semester-II) (New) Examination, November-2018**  
**COMMUNICATION AND SOFT SKILLS-II**  
**(Paper - II) (Theory)**  
**Sub. Code: 57286**

Day and Date : Tuesday, 13 - 11 - 2018

Total Marks : 50

Time : 3.00 p.m. to 5.00 p.m.

- Instructions :
- 1) All questions are compulsory.
  - 2) Figures to the right indicate full marks.

Q1) Choose the correct alternative [ 10 ]

- a) Ethical communication is intended to care for the \_\_\_\_\_ needs of its employees and customers.
- |                    |                         |
|--------------------|-------------------------|
| i) Emotional       | ii) Business            |
| iii) Physiological | iv) Both (ii) and (iii) |
- b) \_\_\_\_\_ must be participative and reciprocative.
- |                          |                      |
|--------------------------|----------------------|
| i) Ethical communication | ii) Group discussion |
| iii) Brian storoming     | iv) All of above     |
- c) An \_\_\_\_\_ is a formal meeting in which a person or person's question.
- |                   |                       |
|-------------------|-----------------------|
| i) Interview      | ii) G.D               |
| iii) Presentation | iv) both (ii) & (iii) |
- d) In \_\_\_\_\_ communication is almost face to face.
- |                       |                     |
|-----------------------|---------------------|
| i) Video Conferencing | ii) E-mails         |
| iii) Telephones       | iv) Both (i) & (ii) |

**P.T.O.**

- e) Verbal communication may be naturally accompanied by \_\_\_\_\_
- |                       |                        |
|-----------------------|------------------------|
| i) Non-verbal symbols | ii) Facial expressions |
| iii) Gestures         | iv) All of the above   |
- f) She gave him \_\_\_\_\_ he wanted.
- |                |                |
|----------------|----------------|
| i) That        | ii) That which |
| iii) That what | iv) What       |
- g) I'm right, \_\_\_\_\_?
- |               |              |
|---------------|--------------|
| i) Amn't I    | ii) Aren't I |
| iii) Isn't it | iv) Am I     |
- h) It \_\_\_\_\_ since 8 o'clock
- |                       |                 |
|-----------------------|-----------------|
| i) Rains              | ii) Is raining  |
| iii) Has been raining | iv) Has raining |
- i) I was able to walk \_\_\_\_\_ the pain in the leg.
- |                  |                |
|------------------|----------------|
| i) Though        | ii) Whereas    |
| iii) In spite of | iv) Despite of |
- j) I \_\_\_\_\_ their offer if I were you
- |                |                  |
|----------------|------------------|
| i) Will accept | ii) Would accept |
| iii) Accept    | iv) Accepted     |

**Q2) Attempt any TWO of the following: [20]**

- a) Explain the term diet counselling and discuss different theories and approaches relevant to counselling.
- b) Explain in detail the steps followed for preparing an effective presentation.
- c) As the general secretary of your college, prepare a speech to be given at the farewell to the T.Y. students.

**Q3) Attempt any FOUR of the following (Any 4). [20]**

- a) Define G.D and explain Do's and Don't in G.D
- b) What is Ethical communication? Give guidelines for ethical communication.
- c) Define oral communication and its importance.
- d) Video conferencing has made business easy explain.
- e) Define Inter views and explain different types of interviews.
- f) Web Cast is a tool of effective communication. Explain.



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**B.F.T.M. (Part-I) (Semester-II) (New) Examination, November-2018**  
**INTRODUCTION TO FOOD SCIENCE -II**  
**(Paper - II)**  
**Sub. Code: 57287**

Day and Date : Wednesday, 14 - 11 - 2018  
 Time : 3.00 pm to 5.00 p.m.

Total Marks : 50

- Instructions :
- 1) All questions are compulsory.
  - 2) Figures to the right indicate full marks.
  - 3) Draw a neat diagrams wherever necessary.

**Q1) Select & write correct answer from the multiple choice given. [10]**

- a) \_\_\_\_\_ is a example of Algae vegetable.
 

|                 |               |
|-----------------|---------------|
| i) Mushroom     | ii) Spinelina |
| iii) Green gram | iv) Cabbage   |
- b) \_\_\_\_\_ acid is predominant in grapes.
 

|             |                     |
|-------------|---------------------|
| i) Tartaric | ii) Malic           |
| iii) Citric | iv) Both (i) & (ii) |
- c) \_\_\_\_\_ beans are also teemed as 'nibs'.
 

|             |                   |
|-------------|-------------------|
| i) Cocoa    | ii) tea           |
| iii) coffee | iv) none of above |
- d) \_\_\_\_\_ wine is made from cashew apple.
 

|                 |           |
|-----------------|-----------|
| i) Cider        | ii) Feni  |
| iii) Champaigne | iv) Sweet |
- e) \_\_\_\_\_ spice is known as "queen of spices"
 

|                 |            |
|-----------------|------------|
| i) Black pepper | ii) Ginger |
| iii) Cardamom   | iv) Garlic |
- f) The active principle in chilli is \_\_\_\_\_
 

|              |             |
|--------------|-------------|
| i) Capsaicin | ii) Thymol  |
| iii) Allicin | iv) Eugenol |

**P.T.O.**

- g) Fruits contain \_\_\_\_\_% of moisture.
- |            |           |
|------------|-----------|
| i) 20-30   | ii) 40-60 |
| iii) 80-90 | iv) 10-20 |
- h) \_\_\_\_\_ is termed as "Egg plant"
- |                |             |
|----------------|-------------|
| i) Tomato      | ii) Pumpkin |
| iii) Beet root | iv) Brinjal |
- i) \_\_\_\_\_ are the plants or parts of plant served as a main course with meal.
- |                 |            |
|-----------------|------------|
| i) Cereals      | ii) Pulses |
| iii) Vegetables | iv) Fruits |
- j) \_\_\_\_\_ beverage is a perfectly clear fruit juice.
- |                   |                   |
|-------------------|-------------------|
| i) Fruit Punch    | ii) Fruit cordial |
| iii) Fruit squash | iv) Fruit juice   |

Q2) Answer the following (any 2) [20]

- Give classification of spices with examples. Add a note on composition & its flavoring extract.
- What are the different types of tea? Explain Black tea process.
- Classify fruits with examples. Add a note on citrus fruits.

Q3) Answer the following (Any 4) [20]

- Give chemical composition & nutritive value of vegetables.
- Write a note on Fruit storage.
- Comment on post harvesting of cardamom.
- Comment on coffee processing.
- What are the different beverages of fruits.
- Give processing of wine.



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**B.F.T.M. (Part - I) (Semester - II) (New) Examination, November - 2018**  
**HUMAN PHYSIOLOGY - II**

**Sub. Code: 57289**

**Day and Date : Friday, 16 - 11 - 2018**

**Total Marks : 50**

**Time : 3.00 p.m. to 5.00 p.m.**

- Instructions :**
- 1) All questions are compulsory.
  - 2) Figures to the right indicate full marks.
  - 3) Draw neat diagrams wherever necessary.

**Q1) Choose the right answer from the given options:**

**[10]**

- a) Normal value of, Glomerular Filtration Rate is \_\_\_\_\_.
  - i) 800 ml/mt
  - ii) 1200 ml/mt
  - iii) 125 ml/mt
  - iv) None
- b) Diabetes is due to defeciency of \_\_\_\_\_.
  - i) Insulin
  - ii) Glucagon
  - iii) Growth hormone
  - iv) None
- c) \_\_\_\_\_ is the largest cell in the body.
  - i) RBC
  - ii) Neuron
  - iii) Nephron
  - iv) Adipocyte
- d) \_\_\_\_\_ hormone plays an important role in reabsorption of sodium by renal tubules.
  - i) Aldosterone
  - ii) Vasopresin
  - iii) Angiotensin
  - iv) None
- e) \_\_\_\_\_ part of brain is responsible for memory.
  - i) Medulla oblongata
  - ii) Cerebrum
  - iii) Cerebellum
  - iv) None
- f) \_\_\_\_\_ is responsible for sweet smell of urine.
  - i) Sugar
  - ii) Ketone bodies
  - iii) Proteins
  - iv) Bile salts

**P.T.O.**

- g) The structural and functional unit of kidney is \_\_\_\_\_.
- |                    |                      |
|--------------------|----------------------|
| i) Neuron          | ii) Nephron          |
| iii) Loop of Henle | iv) Bowman's capsule |
- h) BMR is increased in \_\_\_\_\_.
- |                   |                     |
|-------------------|---------------------|
| i) Hypothyroidism | ii) Hyperthyroidism |
| iii) Both         | iv) None            |
- i) \_\_\_\_\_ Neurons transmit impulse from tissues to the brain and spinal cord.
- |                    |                   |
|--------------------|-------------------|
| i) Sensory neurons | ii) Motor neurons |
| iii) Both          | iv) None          |
- j) \_\_\_\_\_ is responsible for absorption of food.
- |                      |                     |
|----------------------|---------------------|
| i) Stomach           | ii) Large intestine |
| iii) Small intestine | iv) None            |

**Q2) Answer the following (any 2):**

**[20]**

- Explain digestion taking place in the small intestine.
- With the help of neat diagram, explain urinary system.
- Comment on the functions and deficiency disorder of thyroid hormones.

**Q3) Answer the following (any 4):**

**[20]**

- Write a note on Autonomous Nervous System.
- Explain the qualitative tests for detection of sugar and protein in urine.
- Comment on the functions and deficiency disorders of insulin.
- Describe in brief the structure and functions of stomach.
- Explain with the help of diagram, reflex action and reflex arc.
- Describe the hormones of posterior pituitary gland.

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**B.F.T.M. (Part - I) (Semester - II) Examination, November - 2018**

**FOOD CHEMISTRY - II**

**(Theory)**

**Sub. Code: 57290**

**Day and Date : Saturday, 17 - 11 - 2018**

**Total Marks : 50**

**Time : 3.00 p.m. to 5.00 p.m.**

- Instructions :**
- 1) All questions are compulsory.
  - 2) Figures to the right indicate full marks.
  - 3) Draw neat labelled diagrams wherever necessary.

**Q1) Choose the correct alternative from given choices:**

**[10]**

- a) Which of the following acts as the synergistic?
  - i) Citric acid
  - ii) Benzoic acid
  - iii) Acetic acid
  - iv) Formic acid
- b) \_\_\_\_\_ is the main component of nucleic acids.
  - i) Sulphur
  - ii) Potassium
  - iii) Iron
  - iv) Phosphorus
- c) Potatoes is an example of \_\_\_\_\_ foods.
  - i) Perishable
  - ii) Non-perishable
  - iii) Semi-perishable
  - iv) Stable
- d) Severe deficiency of calcium causes \_\_\_\_\_ in adults.
  - i) Rickets
  - ii) Goitre
  - iii) Anaemia
  - iv) Osteoporosis
- e) Vinegar is \_\_\_\_\_% acetic acid.
  - i) 8.0
  - ii) 4.0
  - iii) 5.0
  - iv) 2.0
- f) Which of the following is not a factor, affecting BMR?
  - i) Sleep
  - ii) Gender
  - iii) Pregnancy
  - iv) None of the above

**P.T.O.**



- g) \_\_\_\_\_ is used as a leavening agent in making bread doughs.
- i) Sodium bicarbonate                      ii) Baking powder  
 iii) Yeast                                      iv) Water
- h) Dried foods have water content in the range of \_\_\_\_\_%.
- i) 5 - 15                                      ii) 10 - 12  
 iii) 14 - 16                                  iv) 20 - 25
- i) GRAS means \_\_\_\_\_.
- i) Genetically regenerated acids    ii) Generally recognised as safe  
 iii) Generally refined acids            iv) Genetically recognised as safe
- j) \_\_\_\_\_ is used as anticaking agent in table salt.
- i) Sodium                                      ii) Iodine  
 iii) Calcium siticate                      iv) Citrate

**Q2) Answer the following (any 2):**

**[20]**

- a) What do you mean by food additives? Add a note on sequestrants.
- b) Discuss minor minerals in detail.
- c) Define BMR. Explain factors affecting BMR.

**Q3) Solve the following (any 5):**

**[20]**

- a) Write a note on nitrates and nitrites.
- b) Give the classification of food on the basis of water content.
- c) What are minerals? Write about iron in short.
- d) Comment on thermic effect of food.
- e) Elaborate on inhibitory effect of spices.
- f) Write about water activity.

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**B.Sc. (FTM) (Part-I) (Semester - II) (New)**  
**Examination, November - 2018**  
**FUNDAMENTALS OF FOOD MICROBIOLOGY-II**  
**Sub. Code : 57291**

**Day and Date : Monday, 19- 11 - 2018**

**Total Marks : 50**

**Time : 3.00 p.m. to 5.00 p.m.**

- Instructions :**
- 1) All questions are compulsory.
  - 2) Figures to the right indicate full marks.
  - 3) Draw a neat and labelled diagram wherever necessary.

**Q1) Choose correct alternative from given choices [10]**

- a) \_\_\_\_\_ are derived from cancer tissues.
- i) Primary cell cultures
  - ii) Bird embryo
  - iii) Continuous cell lines
  - iv) Live cells
- b) Which staining method is used in the diagnosis of leprosy in the smear of skin linings?
- i) Acid-fast
  - ii) Negative
  - iii) Simple
  - iv) Gram's
- c) Heat fixation is not necessary in \_\_\_\_\_ staining.
- i) Negative
  - ii) Gram's
  - iii) Monochrome
  - iv) Acid- fast
- d) \_\_\_\_\_ test detects production of sufficient acid from glucose
- i) Methyl red
  - ii) Indole production
  - iii) Citrate utilization
  - iv) Voges proskauer

**P.T.O.**

- e) \_\_\_\_\_ is a product of decarboxylation of amino acids.
- i) Methylene blue
  - ii) Resazurin
  - iii) Urea
  - iv) Ammonia
- f) Micro-organisms require \_\_\_\_\_ water activity.
- i) 0.68-0.70
  - ii) 0.70-0.80
  - iii) 0.60-0.68
  - iv) 0.98-0.99
- g) \_\_\_\_\_ plays important role in fatty acid biosynthesis
- i) Biotin
  - ii) Thiamine
  - iii) Cobalamine
  - iv) Riboflavin
- h) \_\_\_\_\_ is also called as impirical media.
- i) Synthetic
  - ii) Live
  - iii) Natural
  - iv) Semi-synthetic
- i) Which of the following is a basic stain?
- i) Nigrosine
  - ii) India ink
  - iii) Methylene blue
  - iv) None
- j) GPP stands for \_\_\_\_\_.
- i) Glucose peptone plate
  - ii) Glycogen peptone phosphate
  - iii) Glucose peptone phosphate
  - iv) Glucose phosphate peptone

Q2) Answer the following : (any 2)

[20]

- a) Explain Gram's staining in detail.
- b) Discuss growth curve of bacteria with its graphical representation.
- c) Describe pour plate technique. Write its advantages and disadvantages.

Q3) Attempt any four of the following:

- a) Elaborate on MBRT test.
- b) Classify organisms on the basis of oxygen requirement.
- c) Write about tissue culture media.
- d) Explain measurement of bacterial growth by direct counting.
- e) Comment on peptidoglycan theory.
- f) Describe negative staining in brief.

